Grant Huey is the name of the young man

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1 Function.

This is a high voltage and high frequency ~~machine~~ machine for nerve ache, nerve . . . . . Blood vessels Disease (

- - - -) . . . — — —

(1.) The Principle of the circuit.

At the beginning instant, Shaker (K_2) in the stationary position (closed) ~~[illegible]~~ concerned the coil L's circuit. When a current passes through L, the produced magnetic force attracts the spring iron plate, K_2 open and cut its circuit. At this instant, a new series ~~circuit~~ circuit formed, it is composed of coil L, capacitor C, main shaking coil L_1 and the variable resistance R. This circuit has two voltage (1) from the main sources (2) from the induced emf at L when the circuit is open. The sum of these 2 voltage, Charging capacitor C, at the same time spring iron plate return to the ordeginal position and make spark in the space,

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Then the capacitor C discharge, and L_1 R become a diminished amplitude ~~os~~ shaking.

Coil L_2 and L_1 is for increasing voltage sub-coil, ∴ L_2 also induced a high voltage, its wave shape in diagram is also a high voltage. R can control the current in L_1, and ~~ot~~ vary the voltage at the end of L_1. ∴ indirectly vary ~~A~~ the output ~~at the~~ of voltage at the end of L_2.

② high frequency shaking circuit is make up of capacitor and coil to ~~form~~ form a periodic weakened circuit. The principle of shaking is as figure 2.

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From fig 2. when K is closed (In fact from the - - -) the capacitor C is charged as fig 1.

When K is ~~closed to coil L~~ concerned with coil L, Capacitor ~~was~~ immediately discharged ~~to~~ through the coil as fig 2. Capacitor ended discharge when the current is maximum ($\pi/4$)

When ~~coil~~ ~~is~~ current at the coil decreasing, for the inductive effect, capacitor is ~~forced to~~ charged in the opposite direction to the max. voltage U_m, as (fig 3) π is because of the capacitor discharge at the opposite direction. As fig 4, Then the capacitor is ~~at~~ charged and finished a period and vice versa ~~vice versa~~ and the ~~sh~~ amplitude decreasing.

(断線 ﾀﾝｾﾝ) ~~O~~ every time it is contacted, it shake ~~again~~ about 15 ~ 20 times in $\frac{1}{50000}$ sec., it stop about $\frac{1}{500}$ sec., its output and wave shape

is as fig. 3.

Input

~~Output~~ Voltage : 220V 50 Hz 25W.

Output frequency : 150 ~ 300 KC

Output Voltage : 10KV 30KV

Output current ≃ 30 mA

③

① Resonance Spark curing method is using high freqency voltage, ~~to~~ inside the tissue there would be no ~~a~~ mobile ions produced like ~~on~~ using the ~~D-C~~ direct current. ∴ it has no stimulating effects on the sense and motor nerve. During the process, patient may ~~fee~~ feel some hurts, it is because the spark discharge and cause some burning effect and analysis of protein the product of affecting the nerve ends.

② For the dose upper than ~~medicle~~ middle level, patient would feel a light warmth.

It is because the area for curing ~~is~~ became a field of high frequency, the charged particle in the ~~muscle~~ muscle moving with the electric field and heat evolved.

③ high frequency high voltage current can decrease the sense nerve and (植物神经), especially to 植物神经, It can affect the ~~a~~ nerve blood vessel and ~~to~~ decrease blood pressure, Decrease the blood in the head. Make headache or faint, and (ear hear some special sound because of the weakness in head). have some good effects. It is also good to the 1-2 period of high blood pressure.

excitement of the

④ The curing method, although use in some ~~local position~~ specific position, it can make the body produce some good effects - - - .

⑤ The curing method can decrease the

degree of excitement in nerve system, and have strong killing pain and ~~d~~ calm down effects. If the curing process taken too long time or current too strong, it may make the sense loss. ∴ it is used in nerve pains, and nerve organ desease.

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⑥ It can control the exciteing state in blood vessel, make the mediate size artery fill with blood, ~~contract~~ contract the skin blood vessels, and then relax. Sometimes after the high frequency and high voltage curing method, the state of filling with blood may last a long time, ∴ it can ~~improve~~ improve some ~~t~~ specific blood circulation. ∴ it is usually used ~~in some~~ when blood vessels have some

functioning troubles, e.g. vein expand curvely, 痔核动脉内膜炎,

⑦ From ~~experiments~~ experiments.

Resonance spark electric curing method (R.S.E.C.M) is good to 慢性溃疡 slow duodenum ~~disease~~ hurts and 疮口, ~~It can make the~~ (Since from oscilloscope, we can see that there is a periodical discharge from the ~~sensory~~ nerve to the spinal ~~nerve~~ nerve, these could affect the curing of the hurts and 疮口) ∴ R.S.E.C.M's current ~~have~~ has a strong suppress effect; these periodical discharge were cut, and change the nutritious condition in these areas, and since R.S.E.C.M ~~have~~ produce a high temperature and can kill the germs.

⑧ (RSECOM) 同样可起到节段反射的作用，从远端病变部位的相应神经节段时，it can get the similar reflection, When there is headache ~~in the forehead area,~~ we can ~~use RSEC in the forehead area~~, When the vein in the legs or under the waist, we can use RSEC around the waist. When artery 内膜类, we can use it in the 交感神经节,

⑨ RSEC can increase the extending power of muscle, can change the nutritious state, ∴ it is good to make the muscle relax and beauty.

4 Usual method of use.

① Head,

Chose the hair electrode, use weak voltage and gently move along with the hair. Max time — 10 min. Once a day or two days. 20~25 times is one process. (Don't spread 滑石粉 ~~on the~~ = ? powder on the skin with hair).

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2. Face.

chose the 半形 electrode (it can be used at smooth skin). Use low voltage, move steadily from edge of hair to the lower forehead, and then from the centre of nose to the ears. Max time — 10 min, Once a day or 2 days, 20 ~ 30 times is one process. (Don't spread 滑石粉 on the skin of face).

3 Eye and face.

Use the electrode like a ~~a~~ small cylinder and have a ~~spear~~ sphere at the top. Patient has to close the eyes. Set the eye balls as

the centres, and move along in the radius of 3 ~ 4 mm circles, move gently and use low voltage, ~~the~~ time 6 min., Once a day or 2 days, 5 ~ 10 times is one process.

4. Ear.

Pull the ear to a upper backward position. ~~Don't~~ make sure no pain is produced to the patient. Then ~~use~~ insert the ear electrode carefully ~~insert~~ into the outer ear canal about 1 ~ 2 mm. During the curing process, ~~the doctor~~ One must hold the handle firmly and cannot move. Use weak voltage, ~~then~~. time — 8 min. Once a day or 2 days. 20 times is one process.

5 Nose

~~Choose~~ Choose the nose electrode and carefully insert into the ~~nasal~~ nasal cavity about 1.5 ~ 2.0 mm. Then don't move. Use weak

Voltage. Time 3~5 min., Once 2 days, 12~15 times is one process.
(Nose electrode cannot be wrapped with vaseline).

In the 付鼻窦区, choose the ear electrode or small cylindral shaped electrode. Hold the electrode over the surface of 付鼻窦 about 3~4 mm., use ~~weak~~ the same voltage, ~~time~~ time 3~5 min., Once 2 days, 12~15 times is one process.

6. Teeth.

Choose the small long cylindral shaped or ear electrode, ~~follow~~ move along the upper and lower jaws. ~~move~~. Don't touch the teeth. First cure one side then the other side. If 耳结石 is discovered, remove it first. Use weak voltage. time about 10 min., Once a day, 15~20 times is one process

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(We may cover the electrode with rubber tube of 4~5 mm long and ~~reveal~~ expose the top of the electrode, that can be sure it will not touch the teeth).

7. ~~Heard~~ Heart area.

Choose 掌形 electrode. In the left chest, move slowly from 锁骨 to the edge of ribs (in circular path ~~motion~~). or from the breast-bone to 腋前线. (Should avoid touching the nipple). use mediate voltage, Time about 12 min., Once a day or 2 days, 15 times is one process.

8. Back.

choose 掌形 electrode for the half ~~of the~~ or the whole area of the back. move from shoulder to the waist, or from ~~spinal ch~~ backbone to 腋后线.

~~Move~~ in circular path and use mediate voltage. time about 20 min. Once a day. 6 ~ 15 times is one process.

9. 疮面 or Duodenum hurts. 溃疡

(A) Choose 掌形 electrode, move slowly in a 7 ~ 10 mm radius ~~circle~~ circle around the area. Then end with a few stimulations over the surface of 疮面 ~~and~~ or Duodenum 溃疡 hurts.

Use mediate voltage over the skin near 疮面, Use weak voltage over ~~the~~ 疮面, Time about 12 min. Once a day, 15 ~ 20 times is one process. (If 疮面 is wrapped with bandage, open it, wrapp it after the process).

(B) Cure over the nerve that have connection to the 疮面 或是 溃疡, use the reflection reaction and change ~~the damaged parts~~ the physical ~~char~~ condition of the damaged parts.

10. 阴道 (may be = uterus)

Patient lie on the bed with two legs separate, knees lie over pillows, Use clean germ-free 阴道 electrode wrapping with clean germ-free vaseline, gently insert into 阴道 about 8~10 mm. Then stablize the handle on one side of the legs of the patient. Don't let it move. The voltage can make the patient feel a little warmth. 10 min once. Once a day. 20 times is one process.

11. Anus, alimentary canal.

Patient lie on his side. Knees curve a little bit. Use alimentary canal electrode. Wrapping with clean germ-free vaseline. Insert into the alimentary chanal about 4~5 mm.

The voltage used could make the patient feel a little warmth (usually it is given strong voltage). (During the process, patient should try not to ~~cheng~~ cough or 打喷嚏, because it would increase the pressure in the ~~ab~~ abdomen and make the electrode come out and burn the patient). Time about 15 min. Once a day or 2 days, 15 ~ 20 times a process.

12. Shoulder, arm and hands.

Choose 掌形 electrode, move from the shoulder, upper arm, forearm to the hands in slow circular path, use mediate voltage. Time about 15 min., Once a day. 15 ~ 20 time is one process. (Move over one side and then the other side).

13. legs.

choose 掌 形 electrode. Move from buttocks ⊗, thigh and to the toe. or use it in some particular positions. Slowly move in circular path. (avoid the reproductive organs). use mediate voltage. Time about 20 min. Once a day or 2 days, 20 times is one process. (to different conditions, we can prolong the time to 30 min)

5. How to use R S.C.

① This machine need a 220 V A.C. 50 Hz. Output voltage 20KV. frequency about 187 KV.

② Connect the ~~main~~ electric power, or electric source. The key should be in the ~~brake~~ ~~break~~ break (断) position.

3. Choose the ~~stat~~ suitable glass electrode, use ~~ach~~ alcohol to kill germs and then place it in the handle of electrode.

4. Before curing, spread 導子粉 over ~~the of~~ the places that are going to cure. This can help to diminish the friction between skin glass electrode. If there is sweat, remove it.

5. Place the electrode in the suitable place of the patient. N.B. make the electrode touch the skin closely, then connect the electric sources. ~~According the doctor's~~ ~~to~~ The voltage should be adjusted according to the doctor's ~~advice~~ advice ~~until~~ Move slowly the ~~switch~~ switch until the patient feel some little stimulation. P 18

6. If some strong stimulations are ~~as~~ required, place ~~over~~ some distance ~~from~~ over the point of contact and some spark

would shoot into the carving place.

7. After the process is finished, make the ~~source~~ key pull to the '关' position. Pull the ~~pole~~ source out and remove the glass electrode.

6. Note the following

1. When electrode is using, ~~don't touch the handle~~ the hand cannot touch the place behind the red line or there will be a shock.

2. During the process, patient could not touch any metallic objects and should remove all the metallic ~~ones~~ things. eg. watches, chains...

3. During the process, except the ~~pt~~ patient, don't let ~~any other~~ anybody touch the glass electrode and the patient.

The machine's conducting wire should not be touched by anybody. This could avoid discharge.

4. If there is sweat or wet, dry it. ~~and then~~ Patient's hair should not ~~use~~ have any alcoholic 生发水 that can conduct electricity.

5. head, eye and face should not warp with 滑石粉. ~~Except~~ the rectum and 阴道, should warp with vaseline. The ~~eg~~ ear and nasal cavity should not warp vaseline.

6. Rectum process, it should first 灌肠, and make the rectum empty.

7. To the cavities it should first warp with 滑润剂 some lubricating substance.

8. If the patient faint and unconscious during the head process because of too strong voltage. it should stop immediately and rest for one or two days. and then finish the process.

9. The used electrode can remove from the handle when the current is cut. and clean with alcohol. Must be made sure that there is no alcohol left in the glass tube and the place contact with metal, and avoid 脱 去. It can be used after the alcohol is doyed.

10. The electrode should not be boiled in hot water. It can be clean by alcohol. The electrodes used in cavities can be washed by hot water and then washed with alcohol.

11. Usually 15 ~ 18 times is one process, time taken is according to different conditions about 5 ~ 10 min. but in cavities it is about 2 ~ 3 min. P 20

12. This instrument should not be used more than 10 min.. This would shorten the life of the coils. One Should let the coil cool down before reuse.

13. If there is 松落 in the turning switch, repair it.

14. When using No 4 electrode. place the electrode in the suitable place first and then switch on the machine.